



chain nodes :

1 2 3 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27  
28 29 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 58 60 61

ring nodes :

30 31 32 33 34 35

chain bonds :

1-2 1-61 2-3 2-5 2-58 3-60 6-7 7-8 7-9 9-10 11-12 11-21 12-13 12-14 13-15 16-17  
16-22 17-18 17-19 18-20 21-23 22-24 23-25 24-26 27-28 28-29 29-30 31-36 32-37  
33-38 34-39 35-40 41-42 42-43 42-44 42-45 43-46 47-48 48-49 49-50 50-51 51-52

ring bonds :

30-31 30-35 31-32 32-33 33-34 34-35

exact/norm bonds :

2-58 6-7 7-8 7-9 9-10 12-14 13-15 17-19 21-23 22-24 23-25 24-26 27-28 28-29 29-30  
30-31 30-35 31-32 31-36 32-33 32-37 33-34 33-38 34-35 34-39 35-40 41-42 42-44  
47-48 48-49

exact bonds :

1-2 1-61 2-3 2-5 3-60 11-12 11-21 12-13 16-17 16-22 17-18 18-20 43-46 49-50 50-51  
51-52

normalized bonds :

42-43 42-45

G1:S,Se

G2:[\*1],[\*2],[\*3],[\*4],[\*5]

Match level :

1:CLASS 2:CLASS 3:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS 10:CLASS 11:CLASS  
12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS 19:CLASS 20:CLASS  
21:CLASS 22:CLASS 23:CLASS 24:CLASS 25:CLASS 26:CLASS 27:CLASS 28:CLASS 29:CLASS  
30:Atom 31:Atom 32:Atom 33:Atom 34:Atom 35:Atom 36:CLASS 37:CLASS 38:CLASS 39:CLASS  
40:CLASS 41:CLASS 42:CLASS 43:CLASS 44:CLASS 45:CLASS 46:CLASS 47:CLASS 48:CLASS  
49:CLASS 50:CLASS 51:CLASS 52:CLASS 58:CLASS 60:CLASS 61:CLASS

